Thermal Management Solutions Technical Data Sheet



Page 1

NGP300 Non-Silicone Gap Pad

NGP300 is a non-silicone, thermally conductive material for use at a thermal interface. Excellent properties are obtained from NGP300 due to the use of metal oxide powders. NGP300 is electrically insulative.

- Silicone free with two natural tack sides for easy handling
- Good thermal conductivity; 3.0 W/m.K
- Good flexibility, strength and high elastic resilience
- Flame retardant; meets UL94 V-0

Approvals	RoHS-2 Compliant (2015/863/EU): UL Approval:	Yes Meets UL94 V-0
Typical Properties	Colour:	Grey
	Density @ 20°C (g/ml):	2.9
	Thickness (mm)	0.5 – 1.0
	Hardness (Shore C)	35
	Tensile Strength (MPa):	0.17
	Thermal Conductivity:	3.0 W/m.K
	Temperature Range:	-40°C to +140°C
	Thermal Resistance (°C.in ² /W):	0.61
	Elongation (%):	243
	Volume Resistivity (Ω·cm):	7.4 x 10 ¹¹
	Dielectric Strength (kV/mm):	12
	Dielectric Constant @1MHz:	8.48
	Dielectric Loss:	0.063
	Compression Ratio (% @ 50psi):	30
	Flame Retardancy	Meets UL94 V-0

DescriptionOrder CodeDimension of Gap PadGap PadNGP300S200 x 200 x 0.5 mmGap PadNGP300SL200 x 200 x 1.0 mm

Revision 2: October 2017

Copyright Electrolube 2013

All information is given in good faith but without warranty. Properties are given as a guide only and should not be taken as a specification.

Electrolube cannot be held responsible for the performance of its products within any application determined by the customer, who must satisfy themselves as to the suitability of the product.

Ashby Park, Coalfield Way, Ashby de la Zouch, Leicestershire LE65 1JR **T** +44 (0)1530 419 600 **F** +44 (0)1530 416 640 BS EN ISO 9001:2008 Certificate No. FM 32082